



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010516
CERTIFICATION DATE: October 16, 2013
DATE RECERTIFICATION DUE: April 14, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

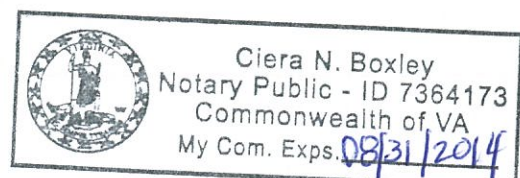
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/18/2013

HMS
MBL

Instrument Serial Number: 010516 **As of 18-Oct-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
16-Oct-13	16-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
12-Aug-13	14-May-13	MMB (26417)	REPLACED DRY GAS STANDARD.
28-Jun-13	14-May-13	HMS (18910)	REPLACED DRY GAS STANDARD.
14-May-13	14-May-13	HMS (18910)	CALIBRATED AND CERTIFIED.
12-Apr-13	27-Dec-12	HMS (18910)	REPLACED DRY GAS STANDARD.
04-Feb-13	27-Dec-12	HMS (18910)	REPLACED DRY GAS STANDARD.
27-Dec-12	27-Dec-12	DBH (21250)	CERTIFIED.
21-Dec-12	21-Dec-12	DBH (21250)	CERTIFIED.
30-Oct-12	06-Jun-12	DBH (21250)	REPLACED BREATH TUBE.
11-Oct-12	06-Jun-12	HMS (18910)	REPLACED PRINTER RIBBON.
23-Aug-12	06-Jun-12	SED (24178)	REPLACED DRY GAS STANDARD.
06-Jun-12	06-Jun-12	DBH (21250)	CERTIFIED
03-May-12	13-Dec-11	DBH (21250)	REPLACED DRY GAS STANDARD.
13-Dec-11	13-Dec-11	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
17-Oct-11	05-Jul-11	DBH (21250)	REPLACED PRINTER
12-Oct-11	05-Jul-11	DBH (21250)	CORRECTED PAPER FEED SELECTOR SWITCH POSITION
02-Sep-11	05-Jul-11	DBH (21250)	REPLACED DRY GAS STANDARD
05-Jul-11	05-Jul-11	DBH (21250)	REPLACED PRINTER, CERTIFIED
25-May-11	25-May-11	DBH (21250)	CERTIFIED
27-Sep-10	27-Sep-10	DBH (21250)	CALIBRATED AND CERTIFIED.
22-Oct-09	22-Oct-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
21-Aug-09	21-Aug-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
08-Jan-09	08-Jan-09	DBH (21250)	CERTIFIED.
05-Dec-08	05-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

thb
nsk

Instrument Serial Number **010516** Worksheet Start Date **10/16/2013**

Location **Fairfax County Adult Detention Center**

Address **10520 Judicial Dr., Fairfax, VA 22030**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	1 box
Keyboard		Certificates of Analysis	1 box
Printer		Operator Worksheet	10 pads
UPS		Other:	

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010516

Certification Date 10/16/2013

Instrument Barometer (mm HG) 752

Reference Barometer (mm HG) 752

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.247	0.239	0.254	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0		0.246	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG204704-26

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Hester W. Stark

Date

10/18/13

Issuing Analyst

Melissa Kennedy

Date

10/19/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: HNS and MSK

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	10/16/2013
TEST EQUIPMENT NUMBER		
010516		

RESULTS: TIME SAMPLE TAKEN 09:38 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

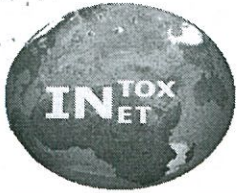
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 16 Oct 2013 at 10:10

TLN
HWS
NSL

Test Results

Instrument Serial Number 010516

Test # 002607 Subject Test

Test Location 1 Department of
Test Date 16 Oct 2013

Test Location 2 Forensic Science
Test Time 09:32
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Oct 2013 End Time 09:39

Result Time 09:38

Result Date 16 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:32

Data Type BLK

Sample Value 0.000

Sample Time 09:33

Data Type CHK

Sample Value 0.102

Sample Time 09:34

Data Type BLK

Sample Value 0.000

Sample Time 09:35

Data Type SUBJ

Sample Value 0.000

Sample Time 09:36

Data Type BLK

Sample Value 0.000

Sample Time 09:37

Data Type SUBJ

Sample Value 0.000

Sample Time 09:38

Data Type BLK

Sample Value 0.000

Sample Time 09:39

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG210901-02

Standard Expiration Date 04/18/2014

Tank Pressure 139

Barometric Pressure 752 mmHg

Blow Sample Number 1 Blow Duration 3.69 sec

Blow Volume 1732 cc End-of-Blow Time 09:36

Blow Sample Number 2 Blow Duration 3.61 sec

Blow Volume 1741 cc End-of-Blow Time 09:38

Tamper Evident Stamp 30b71fc0

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 2608

Test Date: 10/16/2013 Test Time: 09:41 EDT

Dry Gas Target: 0.099

Lot Number: AG210901-02 Exp Date: 04/18/2014

Tank Pressure: 139 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:42
CHK	0.101	09:43
BLK	0.000	09:44
CHK	0.101	09:45
BLK	0.000	09:46
CHK	0.101	09:47

Test Status: *Success*

Calibration CRC: 92B56DA6

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 2609

Test Date: 10/16/2013 Test Time: 09:51 EDT

Dry Gas Target: 0.297

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 95 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:52
CHK	0.304	09:52
BLK	0.000	09:54
CHK	0.303	09:55
BLK	0.000	09:57
CHK	0.303	09:58

Test Status: *Success*

Calibration CRC: 92B56DA6

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010516

System Date: 10/16/2013

System Time: 10:30 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010516 Test Number: 2610

Test Date: 10/16/2013 Test Time: 10:32 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 649 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:33
CAL	0.099	10:34

Test Status: *Success*

Calibration CRC: C7CC4C66

HMS
MSK

HMS
msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 2611
Test Date: 10/16/2013 Test Time: 10:37 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.247

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 531 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:37
BLK	0.000	10:38
CHK	0.246	10:39
BLK	0.000	10:40
CHK	0.246	10:41
BLK	0.000	10:43
CHK	0.246	10:43
BLK	0.000	10:45

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
JMSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 2612
Test Date: 10/16/2013 Test Time: 10:46 EDT

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 80 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:47
BLK	0.000	10:48
CHK	0.152	10:49
BLK	0.000	10:50
CHK	0.152	10:51
BLK	0.000	10:52
CHK	0.152	10:53
BLK	0.000	10:55

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 2613
Test Date: 10/16/2013 Test Time: 10:58 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 90 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:59
BLK	0.000	10:59
CHK	0.079	11:00
BLK	0.000	11:01
CHK	0.080	11:02
BLK	0.000	11:03
CHK	0.080	11:04
BLK	0.000	11:05

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
NHL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 2614
Test Date: 10/16/2013 Test Time: 11:08 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 159 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:08
BLK	0.000	11:09
CHK	0.019	11:10
BLK	0.000	11:11
CHK	0.019	11:12
BLK	0.000	11:13
CHK	0.019	11:14
BLK	0.000	11:15

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 2615

Test Date: 10/16/2013 Test Time: 11:20 EDT

Dry Gas Target: 0.296

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 85 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:20
CHK	0.300	11:21
BLK	0.000	11:23
CHK	0.300	11:24
BLK	0.000	11:25
CHK	0.300	11:26

Test Status: *Success*

Calibration CRC: C7CC4C66

AND
NOL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 2616

Test Date: 10/16/2013 Test Time: 11:31 EDT

Dry Gas Target: 0.099

Lot Number: AG204704-26 Exp Date: 02/16/2014

Tank Pressure: 649 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:31
CHK	0.099	11:32
BLK	0.000	11:34
CHK	0.099	11:35
BLK	0.000	11:36
CHK	0.099	11:37

Test Status: *Success*

Calibration CRC: C7CC4C66




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HMS
MSL

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/16/2013
TEST EQUIPMENT NUMBER 010516		

RESULTS: TIME SAMPLE TAKEN 11:46 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Oct 2013 at 08:19

AMS
MSK

Test Results

Instrument Serial Number 010516

Test # 002617

Subject Test

Test Location 1 Department of

Test Date 16 Oct 2013

Test Location 2 Forensic Science

Test Time 11:39

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 16 Oct 2013

End Time 11:47

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 18910

Operator's Middle Initial M

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 16 Oct 2013

Result 0.00

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG204704-26

Tank Pressure 639

Blow Sample Number 1

Blow Duration 3.59 sec

Blow Sample Number 2

Blow Duration 3.37 sec

Tamper Evident Stamp f01718eb

Test Status Success

Result Time 11:46

Sample Value Pass

Sample Value 0.000

Sample Value 0.099

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Standard Value 0.099

Standard Expiration Date 02/16/2014

Barometric Pressure 751 mmHg

Blow Volume 1724 cc

End-of-Blow Time 11:43

Blow Volume 1730 cc

End-of-Blow Time 11:46

Test Status Code 0